UREMENT BOOK

Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
				Value of work done Spot	
				Kamath Layout	

Final Bill

SBR No-22

Maintenance

C Doddaballapur

M. A. R. 57 (Rule 116)
Measurement Book

BR-97/91-96

No. B 259157

From NR Drilled Borewells To in ward No. 10 (Part) Vidyaranyapura Sub division

K. Thrilokesha

Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Work Code No:- 010-16-000050.						
Agreement No:- 289 Dated 03-02-2015						
Work order No:- FE/BTP/BBMP/F-PMT/289/2014-15, Date 03-02-2015.						
Address of agency:- #620, 8th Cross, Swatantra Yodharanagara Bangalore-58.						

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Ref. to Measu.
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	A) Re winding						
1)	Lifting of Submersible pump Set as per specification and directions.	25 Nos @ Rs 860.00				Rs 21750.00	
2)	Transportation of pumping machinaries	25 Nos @ Rs 900.00				Rs 22500.00	
3)	Labour charges (over hauling)	25 Jobs @ Rs 550.00				Rs 13750.00	
4)	Rewinding of Submersible pump sets with copper insulation wire of suitable gauge as per IST specification with guarantee of 6 months 12.5 HP motor	25 nos @ Rs 40000.00				Rs 1000000.00	

MENT BOOK

Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			RS 21250.00
			RS 22500.00
			RS 13750.00
			RS 100000.00

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259158

From ..... To .....

Name of nature of Agency .....

Name of work .....

Description, etc, of work	Dimensions: Number 4	Length	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
6.1 Replacement of Motor Parts:						
Stator (with one year Guarantee)	25 Nos @ RS 5000.00				RS 125000.00	
Rotor (with one year Guarantee)	25 Nos @ RS 4200.00				RS 105000.00	
Upper Flange	25 no @ RS 300.00				RS 7500.00	
Upper Housing	25 no @ RS 560.00				RS 14000.00	
Nylon Housing	25 no @ RS 450.00				RS 11250.00	
Thrust bearing block assembly complete with Segment bearing Pad	25 Nos @ RS 1200.00				RS 30000.00	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	c) Replacement of Pump Parts						
11)	Oil Seal	2 SNo	@ Rs	100.00		Rs	2500.00
12)	Oil Seal Steel Body	25 No	@ Rs	150.00		Rs	3750.00
13)	Guide Vane						
		1)	12	X		=	12 Nos
		2)	12	X		=	12 No
		3)	15			=	15 No
		4)	15			=	15 No
		5)	10			=	10 No
		6)	18			=	18 No
		7)	15			=	15 No
		8)	12			=	12 No
		9)	14			=	14 No
		10)	15			=	15 No
		11)	16			=	16 No
		12)	15			=	15 No
		13)	12			=	12 No

M. A. R. 57 (Rule 116)

Measurement Book

No. B

259159

From ..... To .....

Name of nature of Agency .....

Name of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
14)	12			=	12 Nos	
15)	15			=	15 Nos	
16)	14			=	14 Nos	
17)	16			=	16 Nos	
18)	14			=	14 Nos	
19)	15			=	15 Nos	
20)	16			=	16 Nos	
21)	15			=	15 Nos	
22)	12			=	12 Nos	
23)	12			=	12 Nos	
24)	16			=	16 Nos	
25)	15			=	15 Nos	
				Total =	389 Nos	

MENT BOOK

Breadth b	Depth d	Contents 7	Reference to last Measurement 8
		Rs 2500.00	
		Rs 3750.00	
		= 12 Nos	
		12 Nos	
		15 Nos	
		15 Nos	
		16 Nos	
		18 Nos	
		15 Nos	
		12 Nos	
		14 Nos	
		15 Nos	
		16 Nos	
		16 Nos	
		12 Nos	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
		Qty limited to Tender = 350 Nos					
		@ Rs 120.00				Rs 42000.00	
(4)	Impeller Shell moulded with aluminium Bronze						
	Seen I- No 14						
	13/5	300 Nos	@ Rs 400.00			Rs 140000.00	
15)	Discharge outlet (D.O) Bearing D.O Steel Bush						
		25 Nos	@ Rs 400.00			Rs 10000.00	
16)	Steel Bush						
		25 Nos	@ Rs 125.00			Rs 3125.00	
17)	Pump shaft made out of Stainless steel centreless ground with key way (upto 8 stage)						
		250 Nos	@ Rs 900.00			Rs 225000.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259160

From ..... To .....

Name of nature of Agency .....

Name of work .....

Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
Non return valve (NRV) assembly complete with rubber ring						
	25 nos @ Rs 1200.00				Rs 30000.00	
Cable Guard	25 nos @ Rs 150.00				Rs 3750.00	
Non return valve	25 nos @ Rs 200.00				Rs 5000.00	
Erection charges of pumping machineries including overhauling and testing	25 nos @ Rs 1400.00				Rs 35000.00	
(B) General Items						
Supplying of ISI marked galvanized mild steel tube (Continuously welded electric resistance welded (ERW) high frequency induction welded (HFIW) Hot finished welded type of						

ENT BOOK

Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		350 nos	
		Rs 42000.00	
		Rs 140000.00	
		Rs 10000.00	
		Rs 3125.00	
		ground	
		Rs 225000.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	C & F Mehsana Receive Equipment quantity description and other details found correct. Dy. Ex. Engineer-97.	1 1 1 1 1 1	18.00 12.00 18.00 30.00 12.00 18.00		= = = = = =	18.00 Rmt 12.00 Rmt 18.00 Rmt 30.00 Rmt 12.00 Rmt 18.00 Rmt	
					Total=	108.00 Rmt	
		Qty limited to Tender			=	100.00 Rmt	
		@ Rs 350.00				Rs	35000.00
23)	Heavy Duty Collar Coupling	25 Nos	@ Rs 130.00			Rs	3250.00
24)	Supplying and delivering 3 core flat Pvc Sheathed Submersible Pump cable manufactured with electrolytic grade copper		with electrolytic			Pump cable manufactured with flexible Copper conductor	

...EMENT BOOK

Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	=	18.00 Rmt	
	=	17.00 Rmt	
	=	18.00 Rmt	
	=	30.00 Rmt	
	=	17.00 Rmt	
	=	18.00 Rmt	
	Total =	108.00 Rmt	
	=	100.00 Rmt	
		Rs 35000.00	
		Rs 32500.00	

...Customer Cable Pump
...cable manufactured
...Copper Conductor

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259161

From ..... To .....

Description of nature of Agency .....

Commencement of work .....

Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
C&F Measure	1	25.00		=	25.00 Rmt	
	1	30.00		=	30.00 Rmt	
	1	15.00		=	15.00 Rmt	
	1	18.00		=	18.00 Rmt	
	1	25.00		=	25.00 Rmt	
	1	30.00		=	30.00 Rmt	
	1	48.00		=	48.00 Rmt	
	1	30.00		=	30.00 Rmt	
	1	35.00		=	35.00 Rmt	
	1	30.00		=	30.00 Rmt	
	1	38.00		=	38.00 Rmt	
	1	35.00		=	35.00 Rmt	
				Total =	356.00 Rmt	
	Qty limited to Tender			=	350.00 Rmt	

ಕರ್ನಾಟಕ ವಿದ್ಯುತ್ ಪ್ರಸರಣ ನಿಗಮ ನಿಯಮಿತ
ವಿದ್ಯುತ್ ಸರಬರಾಜು ಮತ್ತು ನಿರ್ವಹಣಾ
ಯಲಹಂಕ ವಲಯ,
ಬಿ. ಡಿ. ಎ. ಕಾ., ಬೆಂಗಳೂರು-೯

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	@ Rs 140.00					Rs 4900.00	
25)	Supplying of LT 1Cx cable having aluminium conductor pvc insulated sheathed, galvanised steel wire/steel tap armoured cable outer sheathing 1.1kv class.						
		1	12.00			= 12.00 mtr	
		1	15.00			= 15.00 mtr	
		1	18.00			= 18.00 mtr	
		1	16.00			= 16.00 mtr	
					Total:	61.00 mtr	
						60.00 mtr	
	@ Rs 90.00					Rs 5400.00	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
	For Cutting Road Surface	1	9.00		=	9.00 mtr	
		1	12.00		=	12.00 mtr	
		1	16.00		=	16.00 mtr	
		1	14.00		=	14.00 mtr	
					Total =	51.00 mtr	
					Qty limited to tender =	50.00 mtr	
		@ Rs 60.00				Rs 3000.00	
28)	Supplying and fixing of class 'A' (medium duty) GI pipe of work-thickness not less than 3.25mm on pole/wall/ceiling including all necessary accessories complete GI Pipe						
		8	4.00		=	32.00 mtr	
		@ Rs 200.00				Rs 6400.00	

MEASUREMENT BOOK

Dimensions: Length 4	Breadth 5	Depth 6	Contents 7	Ref. to last Measurement 8
		= 9.00 mtr		
		= 12.00 mtr		
		= 16.00 mtr		
		= 14.00 mtr		
	Total =	51.00 mtr		
		= 50.00 mtr		
			RS 3000.00	
		= 32.00 mtr		
			RS 6400.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259163

From ..... To .....

Name & nature of Agency .....

Name of work .....

Item description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Supplying and fixing G.I. Cast Iron Pot head Suitable for cable filled with necessary bitumen (insulating compound complete	8 Nos @ RS 200.00				RS 1600.00	1/1 for Class VCR
Supplying, fixing, wiring earth electrode for grounding conductors, J.C. Cutouts and other components on the meter board using 40mm ϕ 2.5mm thick GI Pipe 2.5mtr long buried	3 Nos @ RS 1900.00				RS 5700.00	
Supplying and fixing of Porcelain fuse channel with Cut out (Power using necessary nuts, bolts and washer etc						on existing

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to the Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	32 Amps	2x6			=	12 Nos	
		@ Rs 90.00					
						Rs 1080.00	
32)	Providing and fixing in position 80mm nominal bore gun metal non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments	3 Nos				@ Rs 900.00	Rs 2700.00
33)	providing NP/CP water unions conforming to ISI specifications and fixing them in position as per directions including cost of materials 80mm ϕ	3 Nos				@ Rs 201.00	Rs 603.00
34)	Supplying and fixing 80mm ϕ GI x Nipple with ISI mark with all lead and left loading unloading and labour charges etc complete	3x4				= 12 Nos	

M. A. No.

From

Name of Name of Agency
Name of work

Full description, etc. of work	Number	
2	3	4
		@ Rs
Supplying Shunt Capacitors for power factor improvement rating 1 KVAR capacity		3 Nos @
Supplying and fixing main distribution boards using necessary 5 to 30 amps triple pole		3 Nos @

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

... From ... To ... 259164

... of Contractor of nature of Agency ...

... of Commencement of work ...

Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
2	Number 3	Length 4	Breadth 5	Depth 6	7	8
	@ Rs	80.00			Rs 960.00	
Supplying Shunt Capacitors conforming to IS 1834, 3phase 400/440 volts grade for Power factor improvement of rotating machinery capacitor in KVAR rating Nos. 2KVAR Capacity						
	3 nos @ Rs 350.00				Rs 1050.00	
Supplying and fixing miniature circuit breakers/ isolators on existing MCB distribution boards using necessary fixing materials wiring complete of 5 to 30 amps triple pole						
	3 nos @ Rs 1000.00				Rs 3000.00	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
37)	Fabrication Supplying and mounting M.S box of 16 SWG Suitable for floor (wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover 16 SWG						
		2	120.00	60.00		= 14400.00 Sqcm	
		1	360.00	25.00		= 9000.00 Sqcm	
						Total = 23400.00 Sqcm	
		@ RS 0.33					RS 7722.00
38)	Earthwork excavation for Pipeline trenches including depositing or bank up to a lead of 50mtr including shoring and staffing charges lighting and using site roads and boaring pads d						
		L	30.00	0.45	0.75	= 10.13 Cum	

MENT BOOK

Dimensions			Contents	Ref. to last Measurement
	Breadth 5	Depth 6	7	
			Box of 16 SWG Suitable with proper cover provision for hinged front cover	
			= 14400.00 Secm	
			= 9000.00 Secm	
			= 23400.00 Secm	
			RS 7722.00	
			depositing or filling charges	
			10 Nos.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259165

From ..... To .....

Nature of Agency .....

Measurement of work .....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1	30.00	0.45	0.75 =	10.13 Cum	
	1	18.00	0.45	0.75 =	6.08 Cum	
	1	28.00	0.45	0.75 =	8.44 Cum	
	1	28.00	0.45	0.75 =	9.45 Cum	
	1	25.00	0.45	0.75 =	8.44 Cum	
	1	25.00	0.45	0.75 =	8.44 Cum	
				Total =	61.09 Cum 61.11	
		Qty limited to Tender		=	60.75 Cum	
		@ RS 180.00			RS 10935.00	

C&F
Mohib

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
39)	providing and installation at site of work, P.V.C Pipes including cost of pipes and specials and including lowering into trench laying true to line, level and perfect jointing of 75mm dia 6kgs/cm² PVC pipe	1	30.00		=	30.00 Rmt	
		1	30.00		=	30.00 Rmt	
		1	18.00		=	18.00 Rmt	
		1	25.00		=	25.00 Rmt	
		1	28.00		=	28.00 Rmt	
		1	25.00		=	25.00 Rmt	
		1	25.00		=	25.00 Rmt	
					Total =	181.00 Rmt	
	Qty limited to tender				=	150.00 Rmt	
	@ Rs 150.00						Rs 22500.00

...EMENT BOOK

Breadth 5	Depth 6	Contents 7	Ref. to last Measurement 8
		...ing P.V.C Pipes including ... (lowering in to trench) ... lowering of	
		= 30.00 Rmt	
		= 30.00 Rmt	
		= 18.00 Rmt	
		= 75.00 Rmt	
		= 28.00 Rmt	
		= 25.00 Rmt	
		= 25.00 Rmt	
	Total =	181.00 Rmt	
		= 180.00 Rmt	
		Rs 27000.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

259166

... From ..... To .....

... of nature of Agency .....

... of work .....

Sub-description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
Refilling for basement and pipeline trenches with selected available earth by hand excavation including authority condition in layers from ... including disposal						
	Qty vide Item No - 38				= 60.75 Cum	
	@ Rs 60.00				Rs 3645.00	
providing and fixing in position brass gate valve with C.T wheel of approved make (Screwed end) ... nominal bore including cost of all materials ... labours	5 Nos				Rs 7500.00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
						Total Rs 923/-	
	Deduct 5% of Released materials					Jadhav AE Rs -46/-	
	Certificate:-						
	Certified that the above work done Satisfactory and No-materials issued from departmentally					Total Rs 877/-	
	Jadhav AE 13/5/2016					Jadhav AE 13/5/16	

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ಬೆಂಗಳೂರು.
ಬಿ. ಬೆಂ. ಮ ಸಾ ; ಬೆಂಗಳೂರು-97.